

KRAS Protein, Human (G12C, His)

Cat. No.:	HY-P7804
Synonyms:	Ki-Ras; c-K-ras; KRAS2; RASK2
Species:	Human
Source:	E. coli
Accession:	AAH13572.1 (T2-C185, G12C)
Gene ID:	3845
Molecular Weight:	Approximately 26.0 kDa, observed by redu

PROPERTIES

AA Sequence	<pre> HHHHHTEYK LVVVGACGVG KSALTIQLIQ NHFVDEYDPT IEDSYRKQVV IDGETCLLDI LDTAGHEEYS AMRDQYMR TG EGFLCVFAIN NTKSFEDIHH YREQIKRVKD SEDVPMVLVG NKCDLPSRTV DTKQAQDLAR SYGIPFIETS AKTRQGVDDA FYTLVREIRK HKEKMSKDGK KKKKSKTKC </pre>
Biological Activity	Data is not available.
Appearance	Lyophilized powder
Formulation	Lyophilized after extensive dialysis against PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	KRAS is the most frequently mutated oncogene in tumors, with 20% of all solid tumors containing oncogenic KRAS mutations. One single type of KRAS mutation — called KRAS G12C — accounts for about 44% of all KRAS mutations. G12C is a single point mutation with a glycine-to-cysteine substitution at codon 12 ^[1] .
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REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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